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Amdt. dated August 11, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method of displaying a web-based spreadsheet, comprising:

sending a request to a server to retrieve the web-based spreadsheet;

receiving at least part of a web page in response to the request;

executing one or more user-defined macros, comprising one or more instructions of a programming language, information in the received web page to display the web-based spreadsheet, the web-based spreadsheet comprising cells, the one or more user-defined macros comprising a first user-defined macro that is expressly referenced in a first formula of a first cell;

executing information in the received web page to allow a user to enter information to be entered into the cells a second cell of the web-based spreadsheet; and

executing information in the received web page to update a third cell cells dependent on the second cell of the cells changed by the user.

Claim 2 (currently amended): The method of claim 1, wherein said sending the request includes sending a request from a client to the server.

Claim 3 (currently amended): The method of claim 1, wherein the information in the received web page and the programming language are is Javascript.

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Claim 4 (currently amended): The method of claim 1, wherein said second at least one cell or macro of the web-based spreadsheet contains comprises a second formula expressly referencing a second user-defined macro of the one or more user-defined macros, to retrieve live data that is updated periodically as the spreadsheet is being displayed, the second user-defined macro comprising one or more instructions of the programming language, and

wherein said executing information in the received web page to allow information to be entered into at least one second cell comprises invoking the second user-defined macro.

Claim 5 (original): The method of claim 4, wherein the live data is stock quotation information.

Claim 6 (original): The method of claim 5, wherein the stock quotation information is obtained from the server.

Claim 7 (original): The method of claim 5, wherein the stock quotation information is obtained from a third party.

Claim 8 (original): The method of claim 5, where the stock quotation information also includes historical information for a stock.

Claim 9 (original): The method of claim 4, wherein the live data is currency conversion information.

Claim 10 (original): The method of claim 9, wherein the currency conversion information is obtained from the server.

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Claim 11 (original): The method of claim 9, wherein the currency conversion information is obtained from a third party.

Claim 12 (currently amended): The method of claim 1, wherein at least one other cell of the web-based spreadsheet contains a link to a another web page.

Claim 13 (currently amended): The method of claim 1, wherein at least one other cell of the web-based spreadsheet contains an image obtained from an address on the World Wide Web.

Claim 14 (currently amended): The method of claim 13, further comprising: allowing the user to expand the size of the other cell to view more of the image.

Claim 15 (currently amended): The method of claim 1, wherein at least one other cell of the web-based spreadsheet contains an image obtained from a data processing device connected to the user via a network.

Claim 16 (currently amended): The method of claim 2 1, where the client user is connected to the server via the World Wide Web.

Claim 17 (currently amended): A method of allowing a user to design a web-based spreadsheet, comprising:

executing information in a received web page to display an initial web-based spreadsheet;

executing information in the received web page to allow the user to create a user-defined macro comprising Javascript instructions, the user-defined macro having a macro name;

executing information in a-the received web page to allow the user to enter information into the cells of the web-based spreadsheet, the user entering a formula expressly referencing the macro name in at least one cell;

sending a number of rows and columns of the web based spreadsheet, the user-defined macro, and the information entered by the user to a server for storage on the server; and

sending a request to the server to retrieve the web-based spreadsheet.

Claim 18 (original): The method of claim 17, further comprising e-mailing a link to the spreadsheet, including:

allowing the user to click on an "e-mail this page" button; and

allowing the user to enter a recipient's address.

Claim 19 (original): The method of claim 17, further comprising embedding the spreadsheet in a web page to create an embedded HTML web page, comprising:

displaying an HTML code including a spreadsheet ID of the spreadsheet; and

allowing the user to copy the HTML code and paste it into the web page's HTML.

Claim 20 (currently amended): .The method of claim 19, wherein the embedded HTML web page includes comprises "JavaScript include" tags.

Claim 21 (original): The method of claim 17, wherein the spreadsheet is displayed on a client system.

Claim 22 (original): The method of claim 21, wherein JavaScript Dynamic HTML is downloaded to the client system, the JavaScript including functionality, format and content of the spreadsheet web page.

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Claim 23 (currently amended): The method of claim 17, wherein the information in the received web page and the user-defined macro are ~~is~~ Javascript.

Claim 24 (currently amended): The method of claim 17, wherein at least one cell ~~or macro~~ of the web-based spreadsheet contains live data that is updated periodically as the spreadsheet is being displayed.

Claim 25 (original): The method of claim 24, wherein the live data is stock quotation information.

Claim 26 (original): The method of claim 25, wherein the stock quotation information is obtained from the server.

Claim 27 (original): The method of claim 25, wherein the stock quotation information is obtained from a third party.

Claim 28 (original): The method of claim 27, where the stock quotation information also includes historical information for a stock.

Claim 29 (original): The method of claim 28, wherein the live data is currency conversion information.

Claim 30 (currently amended): The method of claim 29~~28~~, wherein the currency conversion information is obtained from the server.

Claim 31 (original): The method of claim 30, wherein the currency conversion information is obtained from a third party.

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Claim 32 (currently amended): The method of claim 17, wherein at least one <u>other</u> cell of the web-based spreadsheet contains a link to a web page.

Claim 33 (currently amended): The method of claim 17, wherein at least one <u>other</u> cell of the web-based spreadsheet contains an image obtained from an address on the World Wide Web.

Claim 34 (currently amended): The method of claim 33, further comprising: allowing the user to expand the size of the <u>other</u> cell to view more of the image.

Claim 35 (currently amended): The method of claim 17, wherein at least one <u>other</u> cell of the web-based spreadsheet contains an image obtained from a data processing device connected to the user via a network.

Claim 36 (currently amended): The method of claim 21~~17~~, where the <u>client</u>~~user~~ is connected to the server via the World Wide Web.

Claim 37 (currently amended): A computer-implemented method performed by a server data processing system, comprising:

receiving a request, from a client system, for a spreadsheet web page;

reviewing parameters received with the request for the spreadsheet web page, said parameters include a spreadsheet mode and a data ID; and

sending the requested spreadsheet web page to the client system, based on the parameters received, wherein said spreadsheet web page contains embedded data specific to the requested spreadsheet web page and capable of causing display of a spreadsheet, <u>said spreadsheet web page comprising one or more user-defined macros comprising Javascript, the spreadsheet web page comprising cells, at least one cell of said cells comprising a formula expressly referencing at least one user-defined macro.</u>

Claim 38 (original): The method of claim 37, wherein before sending the spreadsheet
web page, JavaScript data is embedded into the spreadsheet web page.

Claim 39 (currently amended): The method of claim 37, wherein the data ID identifies a
file name.

Claim 40 (original): The method of claim 37, wherein the server includes data for more
than one spreadsheet web page.

Claim 41 (currently amended): A method of displaying a web-based spreadsheet,
comprising:

      sending a request to a server to retrieve the web-based spreadsheet;

      receiving at least part of a web page in response to the request;

      executing one or more user-defined macros in the received web page to display
the web-based spreadsheet, said one or more user-defined macros comprising at least one
of an initialization macro which is invoked when the spreadsheet web page is loaded and
a first macro which is expressly referenced in a formula of at least one cell of the web-
based spreadsheet;

      executing a second macro of said one or more user-defined macros in the received
web page to allow the user to enter information to be entered into a second cell the cells
of the web-based spreadsheet; and

      executing a third macro of said one or more user-defined macros in the received
web page to update a third cellcells dependent on the second cellcells changed by the
user.

Claim 42 (currently amended): The method of claim 41, wherein said sending the request
includes sending a request from a client to the server.

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Claim 43 (currently amended): The method of claim 41, wherein the ~~information~~ one or more user-defined macros in the received web page ~~is~~ are Javascript.

Claim 44 (currently amended): The method of claim 41, wherein the second ~~at least one~~ cell of the web-based spreadsheet contains live data that is updated periodically as the spreadsheet is being displayed.

Claim 45 (original): The method of claim 44, wherein the live data is stock quotation information.

Claim 46 (original): The method of claim 45, wherein the stock quotation information is obtained from the server.

Claim 47 (original): The method of claim 45, wherein the stock quotation information is obtained from a third party.

Claim 48 (original): The method of claim 45, where the stock quotation information also includes historical information for a stock.

Claim 49 (original): The method of claim 44, wherein the live data is currency conversion information.

Claim 50 (original): The method of claim 49, wherein the currency conversion information is obtained from the server.

Claim 51 (original): The method of claim 49, wherein the currency conversion information is obtained from a third party.

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Claim 52 (currently amended): The method of claim 41, wherein at least one _other_ cell of the web-based spreadsheet contains a link to a web page.

Claim 53 (currently amended): The method of claim 41, wherein at least one _other_ cell of the web-based spreadsheet contains an image obtained from an address on the World Wide Web.

Claim 54 (currently amended): The method of claim 53 further comprising: allowing the user to expand the size of the _other_ cell to view more of the image.

Claim 55 (currently amended): The method of claim 41, wherein at least one _other_ cell of the web-based spreadsheet contains an image obtained from a data processing device connected ~~to the user~~ via a network.

Claim 56 (currently amended): The method of claim _42_ ~~41~~, where the _client_~~user~~ is connected to the server via the World Wide Web.

Claim 57 (new): An article of manufacture readable by a computer, tangibly embodying instructions executable by the computer to perform a method of displaying a web-based spreadsheet, said method comprising:

sending a request to a server to retrieve the web-based spreadsheet;

receiving at least part of a web page in response to the request;

executing one or more user-defined macros, comprising one or more instructions of a programming language, in the received web page to display the web-based spreadsheet, the web-based spreadsheet comprising cells, the one or more user-defined macros comprising a first user-defined macro that is expressly referenced in a first formula of a first cell;

executing information in the received web page to allow information to be entered into a second cell of the web-based spreadsheet; and

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executing information in the received web page to update a third cell dependent on the second cell.

Claim 58 (new): The article of manufacture of claim 57 wherein the one or more user-defined macros comprise an initialization macro which is invoked when the web-based spreadsheet is loaded, the initialization macro comprising user specified Javascript instructions,

wherein said executing said one or more user-defined macros also executes the initialization macro in the received web page.

Claim 59 (new): The article of manufacture of claim 58 wherein the web-based spreadsheet comprises a user-defined global variable, accessible to the initialization macro and the one or more user-defined macros.

Claim 60 (new): The article of manufacture of claim 57 wherein the programming language is Javascript.

Claim 61 (new): The article of manufacture of claim 57 wherein the second cell of the web-based spreadsheet comprises a second formula expressly referencing a second user-defined macro of said one or more user-defined macros, to retrieve live data that is updated periodically as the spreadsheet is being displayed, the second user-defined macro being Javascript, and

wherein said executing information in the received web page to allow information to be entered into the second cell comprises invoking the second user-defined macro.

Claim 62 (new): The article of manufacture of claim 61, wherein the live data is stock quotation information.

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Claim 63 (new): The article of manufacture of claim 61, wherein the live data is currency conversion information.

Claim 64 (new): The article of manufacture of Claim 61 wherein the third cell of the web-based spreadsheet comprises a third formula expressly referencing a third user-defined macro of said one or more user-defined macros, the third user-defined macro being Javascript, and

   wherein said executing information in the received web page to update the third cell invokes the third user-defined macro.

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